

Table S1. Antibiotic resistance, biofilm, and virulence profiles of *Enterococcus faecium* isolated from seafood in Bangladesh.

SL No.	Sample Types	Sample ID	Biofilm Properties	Antibiogram Profiles		Virulence Gene Patterns
				Phenotypic	Genotypic	
01	Shrimp	WSM1	Strong	P, AMP, VAN, E, TE, LZ, RD	<i>bla_{TEM}</i>	<i>agg, fsrA, fsrB, fsrC, sprE, ace, pil</i>
02		WSM7	Intermediate	P, VAN, E, TE, LZ, RD		<i>agg, fsrA, fsrB, fsrC, gelE, ace, pil</i>
03		WSC3	Intermediate	P, AMP, VAN, E, TE, RD	<i>bla_{TEM}</i>	<i>agg, sprE, ace, pil</i>
04		WSC10	Strong	P, AMP, VAN, E, TE, LZ, RD	<i>bla_{TEM}</i>	<i>agg, fsrC, gelE, ace, pil</i>
05		WSK7	Intermediate	P, AMP, E, TE, LZ, RD	<i>bla_{TEM}</i>	<i>agg, fsrA, gelE, sprE, ace, pil</i>
06		TSM5	Strong	P, AMP, VAN, E, TE, LZ, RD	<i>bla_{TEM}</i>	<i>agg, fsrA, fsrB, fsrC, gelE, sprE, ace, pil</i>
07		TSC8	Strong	P, AMP, VAN, E, TE, LZ, RD		<i>fsrA, fsrB, fsrC, gelE, ace, pil</i>
08	Crab	CM5	Non –former	P, AMP, E, TE, LZ, RD	<i>bla_{TEM}</i>	<i>agg, gelE, sprE, ace, pil</i>
09		CM8	Strong	P, AMP, VAN, E, TE, LZ, FOS, RD	<i>bla_{TEM}</i>	<i>agg, fsrA, fsrB, fsrC, gelE, sprE, ace, pil</i>
10		CM09	Intermediate	P, VAN, E, LZ, RD	<i>bla_{TEM}</i>	<i>gelE, ace, pil</i>
11		CC02	Intermediate	P, AMP, VAN, E, TE, RD	<i>bla_{TEM}</i>	<i>agg, fsrA, fsrB, fsrC, ace, pil</i>
12		CC07	Strong	P, AMP, VAN, E, NX, LZ, RD	<i>bla_{TEM}</i>	<i>agg, fsrA, fsrB, fsrC, gelE, sprE, ace, pil</i>
13		CC10	Strong	P, VAN, E, TE, LZ, FOS, RD	<i>bla_{TEM}</i>	<i>agg, fsrA, fsrB, fsrC, gelE, ace, pil</i>
14		CK01	Intermediate	P, AMP, VAN, E, TE, RD		<i>sprE, ace, pil</i>
15	Marine Fish	CK05	Intermediate	P, VAN, E, TE, FOS, RD		<i>fsrA, fsrB, gelE, ace, pil</i>
16		RM02	Strong	P, AMP, VAN, E, TE, CIP, LZ, RD	<i>bla_{TEM}</i>	<i>agg, fsrA, fsrB, fsrC, gelE, sprE, ace, pil</i>
17		RM07	Non –former	P, E, TE, LZ, RD		<i>agg, fsrA, ace, pil</i>
18		RM10	Intermediate	P, VAN, E, TE, LZ, RD		<i>fsrB, gelE, sprE, ace, pil</i>
19		RC01	Non –former	P, E, TE, RD		<i>agg, gelE, ace, pil</i>
20		RC04	Strong	P, AMP, VAN, E, TE, LZ, RD	<i>bla_{TEM}</i>	<i>agg, fsrA, fsrC, gelE, sprE, ace, pil</i>
21		RK01	Non –former	P, E, RD		<i>Pil, fsrA, fsrB, fsrC</i>
22		RK02	Intermediate	P, VAN, E, TE, LZ, RD	<i>bla_{TEM}</i>	<i>agg, fsrA, fsrC, ace, pil</i>
23		TM01	Strong	P, AMP, VAN, E, TE, NX, LZ, RD	<i>bla_{TEM}</i>	<i>agg, fsrA, fsrB, fsrC, sprE, ace, pil</i>
24		TM02	Strong	P, AMP, VAN, E, TE, LZ, RD	<i>bla_{TEM}</i>	<i>agg, fsrB, gelE, sprE, ace, pil</i>
25		TM05	Non –former	P, E, RD		<i>ace, pil</i>
26		TM08	Intermediate	P, AMP, VAN, E, LZ, RD	<i>bla_{TEM}</i>	<i>agg, fsrA, fsrB, gelE, sprE, ace, pil</i>
27		TM10	Intermediate	P, AMP, VAN, E, TE, CIP, LZ, FOS, RD	<i>bla_{TEM}</i>	<i>ace, pil</i>
28		TC04	Strong	P, AMP, VAN, E, TE, CIP, NX, LZ, FOS, RD	<i>bla_{TEM}</i>	<i>agg, fsrA, fsrB, fsrC, sprE, ace, pil</i>
29		TC07	Non –former	P, E, RD		<i>pil</i>

30	TK02	Strong	P, AMP, VAN, E, TE, LZ, FOS, RD	<i>bla_{TEM}</i>	<i>agg, fsrA, gelE, ace, pil</i>
31	TK03	Intermediate	P, AMP, VAN, TE, RD		<i>agg, fsrA, fsrB, fsrC, gelE, sprE, ace, pil</i>
32	TK05	Non –former	P, E, RD		<i>gelE, sprE, ace, pil</i>
33	LM03	Strong	P, AMP, VAN, E, TE, CIP, NX, LZ, RD	<i>bla_{TEM}</i>	<i>agg, fsrA, fsrB, fsrC, gelE, ace, pil</i>
34	LM09	Strong	P, AMP, VAN, E, TE, LZ, RD		<i>agg, fsrA, gelE, sprE, ace, pil</i>
35	LM10	Non –former	P, E, LZ, RD	<i>bla_{TEM}</i>	<i>fsrA, ace, pil</i>
36	LC01	Intermediate	P, AMP, VAN, E, RD	<i>bla_{TEM}</i>	<i>agg, gelE, sprE, ace, pil</i>
37	LC03	Strong	P, AMP, VAN, E, TE, NX, LZ, FOS, RD		<i>agg, fsrA, fsrB, gelE, sprE, ace, pil</i>
38	LC08	Intermediate	P, AMP, E, LZ, RD	<i>bla_{TEM}</i>	<i>fsrB, pil</i>
39	LK01	Non –former	P, TE, LZ, RD		<i>agg, fsrA, ace, pil</i>
40	LK02	Strong	P, AMP, VAN, E, TE, LZ, RD	<i>bla_{TEM}</i>	<i>fsrA, fsrB, gelE, sprE, ace, pil</i>
41	LK04	Strong	P, AMP, VAN, E, TE, LZ, RD		<i>agg, fsrA, fsrC, gelE, sprE, ace, pil</i>

Here, CIP = Ciprofloxacin, TE = Tetracycline, LEV = Levofloxacin, FOS = Fosfomycin, RD = Rifampin, P = Penicillin, LZD = Linezolid, NOR = Norfloxacin, NIT = Nitrofurantoin, AMP = Ampicillin, C = Chloramphenicol, VA = Vancomycin, E = Erythromycin.

Table S2: Pearson correlation coefficient to assess the pairs of any of two virulence genes detected in *E. faecium* isolated from seafood in Bangladesh.

		<i>agg</i>	<i>fsrA</i>	<i>fsrB</i>	<i>fsrC</i>	<i>gelE</i>	<i>sprE</i>	<i>ace</i>	<i>pil</i>	<i>cyl</i>
<i>agg</i>	Pearson Correlation	1								
	Sig. (2-tailed)									
<i>fsrA</i>	Pearson Correlation	.394*	1							
	Sig. (2-tailed)	0.011								
<i>fsrB</i>	Pearson Correlation	0.069	.429**	1						
	Sig. (2-tailed)	0.668	0.005							
<i>fsrC</i>	Pearson Correlation	.392*	.533**	.470**	1					
	Sig. (2-tailed)	0.011	0	0.002						
<i>gelE</i>	Pearson Correlation	0.244	0.094	0.17	0.06	1				
	Sig. (2-tailed)	0.124	0.56	0.287	0.711					
<i>sprE</i>	Pearson Correlation	.313*	0.053	0.169	0.034	.310*	1			
	Sig. (2-tailed)	0.046	0.743	0.29	0.835	0.049				
<i>ace</i>	Pearson Correlation	.412**	0.193	-0.087	0.06	.370*	0.302	1		
	Sig. (2-tailed)	0.007	0.227	0.589	0.71	0.017	0.055			
<i>pil</i>	Pearson Correlation	.c	.c	.c	.c	.c	.c	.c	.c	
	Sig. (2-tailed)	.	.	.	.	.	.	.	.	.
<i>cyl</i>	Pearson Correlation	.c	.c	.c	.c	.c	.c	.c	.c	.c
	Sig. (2-tailed)	.	.	.	.	.	.	.	.	.

*Correlation is significant at the 0.05 level (2-tailed); **Correlation is significant at the 0.01 level (2-tailed); .cCannot be computed because at least one of the variables is constant.

Table S3. Pearson correlation coefficients between any of two antibiotics to which *E. faecium* isolates showed resistance.

		P	AMP	VAN	E	TE	CIP	LEV	NX	NIT	C	LZ	FOS	RD
P	Pearson Correlation	.a												
	Sig. (2-tailed)	.												
AMP	Pearson Correlation	.a	1											
	Sig. (2-tailed)	.												
VAN	Pearson Correlation	.a	.454**	1										
	Sig. (2-tailed)	.	0.003											
E	Pearson Correlation	.a	0.298	0.118	1									
	Sig. (2-tailed)	.	0.058	0.461										
TE	Pearson Correlation	.a	.462**	.415**	-0.154	1								
	Sig. (2-tailed)	.	0.002	0.007	0.335									
CIP	Pearson Correlation	.a	0.213	0.17	0.064	0.191	1							
	Sig. (2-tailed)	.	0.18	0.288	0.693	0.23								
LEV	Pearson Correlation	.a	.a	.a	.a	.a	.a	.a						
	Sig. (2-tailed)	.	.	.	.	.	.	.	.
NX	Pearson Correlation	.a	0.25	0.199	0.074	0.047	0.223	.a	1					
	Sig. (2-tailed)	.	0.115	0.212	0.644	0.769	0.161	.	.	.				
NIT	Pearson Correlation	.a	.a	.a	.a	.a	.a	.a	.a	.a				
	Sig. (2-tailed)	.	.	.	.	.	.	.	.	.	.
C	Pearson Correlation	.a	.a	.a	.a	.a	.a	.a	.a	.a	.a			
	Sig. (2-tailed)	.	.	.	.	.	.	.	.	.	.	.
LZ	Pearson Correlation	.a	0.29	0.215	0.103	.483**	0.181	.a	0.212	.a	.a	1		
	Sig. (2-tailed)	.	0.065	0.176	0.521	0.001	0.258	.	0.184	.	.	.	.
FOS	Pearson Correlation	.a	0.118	0.298	0.111	0.071	0.098	.a	0.046	.a	.a	0.046	1	
	Sig. (2-tailed)	.	0.461	0.058	0.488	0.659	0.542	.	0.777	.	.	0.774	.	.
RD	Pearson Correlation	.a	.a	.a	.a	.a	.a	.a	.a	.a	.a	.a	.a	.a
	Sig. (2-tailed)	.	.	.	.	.	.	.	.	.	.	.	.	.

** Correlation is significant at the 0.01 level (2-tailed), .aCannot be computed because at least one of the variables is constant, CIP = Ciprofloxacin, TE = Tetracycline, LEV = Levofloxacin, FOS = Fosfomycin, RD = Rifampin, P = Penicillin, LZD = Linezolid, NOR = Norfloxacin, NIT = Nitrofurantoin, AMP = Ampicillin, C = Chloramphenicol, VA = Vancomycin, E = Erythromycin.